

# ASSIGNMENT 13

Textbook Assignment: "Aircraft Weapons Systems," Pages 15-1 through 15-32; and "Aircraft Weapons Systems Test Equipment," Pages 16-1 through 16-15.

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- 13-1. Which of the following is a fighter aircraft?
1. F-14
  2. P-3
  3. S-3
  4. SH-60
- 13-2. Which of the following is a fighter/attack aircraft?
1. F/A-18
  2. F-14
  3. S-3
  4. SH-60
- 13-3. Which of the following is a two-seat, supersonic aircraft?
1. F-14
  2. S-3
  3. SH-60
  4. P-3
- 13-4. The switches for missile preparation are located on what panel in an F-14 aircraft?
1. The armament control indicator panel
  2. The air combat maneuver panel
  3. The displays control panel
  4. The master light control panel
- 13-5. The DLVY MODE switches in an F-14 aircraft is located on what panel?
1. The armament control indicator panel
  2. The displays control panel
  3. The air combat maneuver panel
  4. The master light control panel
- 13-6. The A/G MODE AND A/A MODE switches in an F-14 aircraft are located on what panel?
1. The air combat maneuver panel
  2. The master light control panel
  3. The displays control panel
  4. The armament control indicator panel
- 13-7. The control stick in an F-14 aircraft contains which of the following weapons controls?
1. The DLC/CHAFF DISPENSE push button
  2. The weapon trigger
  3. The weapons selector button
  4. All of the above
- 13-8. The ARMT SAFETY OVERRIDE switch in an F-14 aircraft is in what location?
1. The RH avionics bay
  2. The nosewheel well
  3. The armament control indicator panel
  4. The LH avionics bay
- 13-9. An F-14 aircraft can carry what maximum number of AIM-54 missiles?
1. Six
  2. Eight
  3. Ten
  4. Twelve
- 13-10. An F-14 aircraft can carry what maximum number of AIM-9 missiles?
1. Four
  2. Eight
  3. Ten
  4. Twelve
- 13-11. The Sidewinder SW COOL switch in an F-14 aircraft is located on what panel?
1. The air combat maneuver panel
  2. The armament control indicator panel
  3. The display control panel
  4. The master light control panel
- 13-12. An F-14 aircraft provides which of the following attack modes of operation for an M61A1 gun?
1. Computer pilot attack mode only
  2. Manual attack mode only
  3. Computer pilot attack mode or manual attack mode
  4. Manual attack mode or ACM encounter mode

- 13-13. The GUN RATE switch located on the ACM panel of an F-14 aircraft has what total number of positions?
1. One
  2. Two
  3. Three
  4. Four
- 13-14. The A/G GUN switch located on the armament control indicator panel of an F-14 aircraft has what two positions?
1. ON and OFF
  2. MIXED and OFF
  3. MIXED and ON
  4. ON and STANDBY
- 13-15. Where is the BURST selector switch located in an F-14 aircraft?
1. On the ACM panel
  2. On the armament control indicator panel
  3. In the gun control unit
  4. In the weapons status unit
- 13-16. The gun rounds counter in an F-14 aircraft is located on what panel?
1. The master light panel
  2. The HOOK/GUN panel
  3. The armament control indicator panel
  4. The ACM panel
- 13-17. The NFO in an F-14 aircraft controls which of the following jettison modes?
1. ACM encounter
  2. Selective only
  3. Auxiliary only
  4. Selective and auxiliary
- 13-18. To accommodate a variety of missile launchers, bomb racks, or weapons rails, an F-14 aircraft provides a maximum of how many weapons stations?
1. Eight
  2. Six
  3. Three
  4. Four
- 13-19. For information on the authorized configurations of F-14 aircraft, you should refer to which of the following NAVAIR manuals?
1. 01-F14AAA-1T
  2. 01-85AD-75
  3. 11-1F-2
  4. 11-75A-79
- 13-20. For information on F-14 aircraft weapons systems, you should refer to which of the following NAVAIR manuals?
1. 01-F14AAA-1T
  2. 01-F14AAA-75
  3. 11-1F-2
  4. 11-75A-79
- 13-21. Which of the following ground power control panel switches on an F-18 aircraft provides enabling power to the DDIs and the radar?
1. Switch 1
  2. Switch 2
  3. Switch 3
  4. EXT PWR switch
- 13-22. Switch 3 on the ground power control panel of an F-18 aircraft provides power to which of the following systems?
1. AN/ALE-39 only
  2. AN/AWW-4 only
  3. HARM only
  4. AN/ALE-39, AN/AWW-4, and HARM
- 13-23. The armament safety override switch is in what location in an F-18 aircraft?
1. The nosewheel well
  2. The LH avionics bay
  3. The RH avionics bay
  4. The forward cockpit
- 13-24. Which of the following switches are located on the grip assembly of an F-18 aircraft?
1. A/G, A/A, and trigger
  2. DDI, A/A, and A/G
  3. AMP, DDI, and A/A
  4. Trigger, DDI, and SMP

- 13-25. In an F-18 aircraft, the auxiliary jettison mode should be used to jettison stores from pylon stations at which of the following times?
1. When emergency jettison fails only
  2. When selective jettison fails only
  3. When emergency or selective jettison fails
  4. When the aircraft's airspeed exceeds 350 knots
- 13-26. On an F/A-18 aircraft, the jettison system gives the pilot or crew a way to jettison weapons, stores, launchers, and fuel tanks. The jettison system has what total number of modes?
1. One
  2. Two
  3. Three
  4. Four
- 13-27. The CAGE/UNCAGE switch, used in conjunction with the Walleye guided weapon control system, is in what location on an F-18 aircraft?
1. The armament panel
  2. The throttle
  3. The flap control panel
  4. The stick grip control
- 13-28. To launch an AIM-7 Sparrow missile from the wing pylon station of an F-18 aircraft, the aircraft must be configured with (a) what bomb rack and (b) what launcher?
1. (a) BRU-32/A  
(b) LAU-115C/A
  2. (a) BRU-33/A  
(b) LAU-115C/A
  3. (a) BRU-33/A  
(b) LAU-116/A
  4. (a) BRU-32/A  
(b) LAU-116/A
- 13-29. You can find information on authorized F/A-18 aircraft configurations and weapons loading in which of the following publications?
1. A1-F18AA-TAC-000 only
  2. A1-F18AA-TAC-000 and A1-F18AA-TAC-100
  3. A1-F18AAA-LWS-000
  4. NAVAIR 01-F18AAA-2-1
- 13-30. You can find a general description of the F/A-18 aircraft armament systems and suspension or releasing equipment in which of the following publications?
1. A1-F18AA-TAC-000
  2. A1-F18AA-TAC-100
  3. NAVAIR 01-F18AAA-2-1
  4. A1-F18AAA-LWS-000
- 13-31. On a P-3 aircraft, what panel provides the controls and indicators for manual or automatic preset of Mk 46 or Mk 50 torpedoes?
1. The TORP presetter panel
  2. The pilot's search stores control panel only
  3. The pilot's armament control panel only
  4. The pilot's search stores control panel or the pilot's armament control panel
- 13-32. On a P-3 aircraft, what maximum number of (a) bomb bay and (b) wing stations is available for carriage of weapons?
1. (a) 6 bomb bay  
(b) 8 wing
  2. (a) 8 bomb bay  
(b) 10 wing
  3. (a) 10 bomb bay  
(b) 8 wing
  4. (a) 12 bomb bay  
(b) 10 wing
- 13-33. On a P-3 aircraft, what maximum number of unpressurized sonobuoy launch tubes is available?
1. 12
  2. 24
  3. 36
  4. 48
- 13-34. A P-3C aircraft can be configured with what maximum number of 1,000- or 2,000-pound mine pylon assemblies?
1. One
  2. Two
  3. Three
  4. Four
- 13-35. What total number of size A sonobuoy launch tubes are installed in an S-3A aircraft?
1. 48
  2. 60
  3. 64
  4. 72

- 13-36. An S-3A aircraft wing store system contains which of the following stations?
1. W5 (right) and W6 (left)
  2. W4 (right) and W5 (left)
  3. W5 (left) and W6 (right)
  4. W4 (left) and W5 (right)
- 13-37. What ejector rack is used in an S-3A aircraft wing store system pylon/rack assembly?
1. Aero 65A-1
  2. BRU-11A/A
  3. BRU-14/A
  4. MAU-38/A
- 13-38. An SH-60B/SH-60F helicopter launcher system has a total of how many size A launcher tubes?
1. 25
  2. 18
  3. 12
  4. 10
- 13-39. An SH-60F helicopter has what total number of BRU-14/A bomb racks?
1. Five
  2. Two
  3. Three
  4. Four
- 13-40. An SH-60B helicopter has what total number of BRU-14/A bomb racks?
1. One
  2. Two
  3. Three
  4. Four
- 13-41. To measure resistance, amperage, and voltage in an electrical circuit, which of the following test equipment should you use?
1. AN/PSM-4
  2. AN/PSM-6
  3. AN/ASM-20B
  4. AN/ASM-4
- 13-42. To test rocket firing, bomb release, and missile firing circuits on aircraft, you should use which of the following equipment?
1. AN/ASM-20B
  2. AN/AWM-42A
  3. AN/AWM-54
  4. AN/PSM-4
- 13-43. Which of the following test sets is used to make stray voltage checks on Navy aircraft?
1. TTU-304/E
  2. AN/ALM-70A
  3. AN/AWM-54
  4. AN/AWM-42A
- 13-44. To check the dc fuzing capabilities of fuze function control sets, which of the following test equipment should you use?
1. AN/ASM-20B
  2. AN/AWM-42A
  3. AN/AWM-54
  4. TTU-304/E
- 13-45. During prior-to-launch procedures, what test equipment should you use to check the operability of a Sidewinder missile guidance control group?
1. TTU-304/E
  2. AN/ASM-20B
  3. AN/AWM-42A
  4. AN/PSM-4
- 13-46. To check the AN/ALE-39 decoy dispensing systems and the AN/ALE-37A dispenser, which of the following test equipment should you use?
1. AN/ALM-70A
  2. AN/ASM-20B
  3. AN/ASM-149C
  4. TTU-304/E
- 13-47. To evaluate the operational readiness of a Walleye weapon guidance section and aircraft cockpit television display, what test set should you use?
1. TTU-304/E
  2. AN/ASM-20/B
  3. AN/ASM-496
  4. AN/DSM-77B
- 13-48. To perform operational checks on AIM-9 missile launching VTAS and SEAM circuits associated with the guided missile launcher LAU-7 series, what test set should you use?
1. AN/ASM-20B
  2. TTU-304/E
  3. AN/ASM-464
  4. AN/ASM-496

- 13-49. To test a VTAS/SEAM aircraft system, what test set should you use?
1. AN/ASM-464
  2. AN/ASM-496
  3. TS-3279/ASM
  4. TS-3561/AWM-23
- 13-50. To perform circuit continuity tests on Mk 46 torpedo preset circuits aboard a P-3 aircraft, what test set should you use?
1. B203
  2. B473
  3. TTU-183/F
  4. TTU-304/E
- 13-51. To check a P-3 aircraft wing station, you should use a TS-3519D/DSM test set simulator to simulate which of the following types of missiles?
1. Maverick
  2. Harpoon
  3. Shrike
  4. Sidewinder
- 13-52. To test the presetter portion of an armament control panel subassembly in an S-3 aircraft, what test set should you use?
1. Mk 432 Mod 4
  2. Mk 433 Mod 5
  3. TS-3279/ASM
  4. TS-3519/DSM
- 13-53. What total number of people are required to perform a Sidewinder MOAT?
1. One
  2. Two
  3. Three
  4. Four
- 13-54. What total number of people are required to perform a Walleye MOAT?
1. One
  2. Two
  3. Three
  4. Four
- 13-55. Stray voltage checks should be performed at which of the following times?
1. Immediately after the weapon has been loaded onto the aircraft
  2. Just before the aircraft takes off
  3. Immediately after all electrical connections are made
  4. Just before the weapon is loaded onto the aircraft

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